

ABSTRACT

Umardi, 2017. *The Development of Web-Based SINUHSis (Information System of Students' Daily Test Grades) as a Medium of Information Delivery to Students.*

This research is motivated by the absence of information media for teachers to inform the results of students' daily test and the less of students' attention on their daily test grades that only informed orally by the subject teachers. Lack of student interest in it is certainly making an impact on students' learning outcomes which are very low and declining the teaching quality when viewed from the average value on each subject the teacher teach. Moving from that case then the researcher created an information system of daily test grades that was expected to facilitate the needs of students and teachers to give and receive information at any time without a restriction on time and place.

The research method used in this study was Research and Development (R&D) by using developmental model of four D (define, design, development, and disseminate) including four stages namely (1) define: needs analysis, (2) develop: product development, (3) evaluate: product trial, and (4) disseminate: product deployment.

After conducting this study it found the facts that the web-based information system of daily test grades of students was very practical for the teachers and effective in improving student learning outcomes. It is proven from the analysis of the validity of the system information test get the value of coefficient index of 0.89 and validation test of media design with value 0,92. And the mean effectiveness test showed a very significant increase. Based on the value obtained from the results of test validity and test effectiveness the product was feasible to use. So, based on the findings, it can be concluded that the Web-based SINUHSis at SMK Harapan Utama is feasible to use and able to improve the school services to society as well.

Keywords: *Information System of Grades, SINUHSis, Research and Development, Students' Daily Test, Web-based Daily Test, Instructional Development Institute, Validity, Practicality, Effectiveness.*

ABSTRAK

Umardi, 2017. Pengembangan Sistem Informasi Nilai Ulangan Harian Siswa (SINUHSis) Berbasis Web Sebagai Media Penyampaian Informasi Kepada Siswa. Tesis Pascasarjana Fakultas Teknik Universitas Negeri Padang.

Penelitian ini dilatarbelakangi oleh belum adanya media sistem informasi untuk guru dapat menyampaikan informasi nilai ulangan harian kepada siswa dan kurangnya perhatian siswa terhadap nilai ulangan yang hanya disampaikan secara lisan oleh guru mata pelajaran. Kurangnya minat siswa terhadap nilai ulangan harian ini tentunya berdampak pada hasil belajar siswa yang sangat rendah serta menurunnya kualitas mengajar seorang guru jika dilihat dari nilai rata-rata pada setiap mata pelajaran yang diampunya. Beranjak dari hal tersebut maka peneliti membuat sebuah sistem informasi nilai ulangan harian yang diharapkan mampu memfasilitasi kebutuhan siswa dan guru untuk saling memberi dan menerima informasi setiap saat tanpa ada batasan waktu dan tempat.

Metode penelitian yang digunakan dalam penelitian ini adalah *Research and Development (R&D)* dengan menggunakan model pengembangan *four D (define, design, development, and disseminate)* yang meliputi empat tahap yaitu (1) *define*: analisis kebutuhan, (2) *develop*: pengembangan produk, (3) *evaluate*: uji coba produk, dan (4) *disseminate*: penyebaran.

Setelah dilakukannya pengembangan dan digunakan didapatkanlah fakta bahwa sistem informasi nilai ulangan harian siswa berbasis web ini sangat praktis bagi guru dan efektif dalam meningkatkan hasil belajar siswa. Hal tersebut terbukti dari hasil analisis terhadap uji validitas sistem informasi mendapatkan nilai indeks koefisien 0,89 dan uji validasi desain media dengan nilai 0,92. serta uji rerata efektifitas menunjukkan kenaikan yang sangat signifikan. Berdasarkan nilai yang diperoleh dari hasil uji validitas dan uji efektifitas maka produk layak untuk digunakan. Sehingga berdasarkan temuan peneliti dapat disimpulkan bahwa Sistem Informasi Nilai Ulangan Harian Siswa berbasis Web di SMK Harapan Utama layak untuk digunakan dan sekaligus meningkatkan pelayanan sekolah kepada masyarakat.

Kata Kunci: Sistem Informasi Nilai, SINUHSis, *Research and Development*, Ulangan Harian Siswa, Nilai Ulangan berbasis Web, *Instructional Development Institute*, Validitas, Praktikalitas, dan Efektivitas.